

What is the output skin temperature in ...

[jonc](#) 33 posts since

Sep 20, 2007

LIS Users,

Do any of you know which of the output temperature variables is considered the traditional "skin temperature"? I'm guessing it's the Surface Radiative temperature, but I just want to verify.

#Surface State Variables

SnowT: 0 # Snow surface temperature (K)

VegT: 0 # Vegetation canopy temperature (K)

BareSoilT: 0 # Temperature of bare soil (K)

AvgSurfT: 0 # Average surface temperature (K)

RadT: 0 # Surface Radiative Temperature (K)

Thanks,

Jon

[knemunai](#) 50 posts since

Apr 16, 2008 **1. Re: What is the output skin temperature in LIS?** Sep 7, 2008 2:48 PM

Jon,

I don't know if this helps but it might depend on the land surface model you are using. I have an old LIS user's guide for v4.0.2 that lists the output variables according to each LSM. Noah, for example, does not have a RadT, so AvgSurfT would be skin temperature.

-Kodi

[sujay](#) 118 posts since

Sep 20, 2007 **2. Re: What is the output skin temperature in LIS?** Sep 15, 2008 2:55 PM

Typically the AvgSurfT is considered the skin temperature.

Please see http://web.lmd.jussieu.fr/~polcher/ALMA/convention_output_3.html for definitions.

-S